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Michael J. Buchenhorner	(305) 789-7773	12
NAME	TELEPHONE	TOTAL PAGES (Including Cover Sheet)
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## MESSAGE:

**ATTACHED: SUPPLEMENTAL AMENDMENT UNDER 37C.F.R.§1.111 and NOTICE  
OF NON-COMPLIANT AMENDMENT.**

APPLICATION NO.: 09/275,568

FILING DATE: March 24, 1999

DOCKET NO.: YO998-112

# 2358725\_v1

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/275,568	
	Filing Date	3/24/1999	
	First Named Inventor	Michael Pitman	
	Art Unit	1631	
	Examiner Name	Cheyne Ly	
Total Number of Pages in This Submission	13	Attorney Docket Number	YO998-112

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks  		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Holland & Knight LLP		
Signature	<i>Michael J. Buchenhorner</i>		
Printed name	Michael J. Buchenhorner		
Date	October 28, 2004	Reg. No.	33,162

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature	<i>Michael J. Buchenhorner</i>		
Typed or printed name	Michael J. Buchenhorner	Date	October 28, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No. : 09/275,568  
Applicant : Michael Pitman  
Filed : 03-24-1999  
Examiner : Cheyne Ly  
TC/A.U. : 1631  
Confirmation No. : 9918  
Docket No. : YO998-112  
For : SIMILARITY SEARCHING OF MOLECULES  
: BASED UPON DESCRIPTOR VECTORS  
: CHARACTERIZING MOLECULAR REGIONS

Commissioner for Patents  
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P.O. BOX 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. § 1.111**

Sir:

In response to the Notice of Non-Complaint Amendment, dated Oct. 28, 2004 (attached herewith), the Applicant hereby submits a substitute "Amendment to the claims" section for the Amendment submitted by Applicant on Sept. 10, 2004 under 37 CFR § 1.111.

Docket No. YO998-112

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Serial No. 09/275,568